



Braskem is one of the world's leading plastics and chemical companies with 40 industrial plants in Brazil, the United States, Germany and Mexico – the company's newest industrial complex is a joint venture with Idesa, which represents a \$5.2 billion investment.

Braskem is the largest producer of thermoplastic resins in the Americas and the leading producer of biopolymers in the world, creating more environmental-friendly, intelligent and sustainable solutions through chemicals and plastics. Known for innovative solutions such as I'm green Polyethylene™ made from renewable sugarcane and UTEC®, the company's own trademarked Ultra High Molecular Weight Polyethylene for high performance applications, Braskem's products and technologies enable the automotive, packaging, healthcare, and construction industries to produce goods that enhance quality of life for people around the world.

Braskem America is a wholly owned subsidiary of Braskem S.A. headquartered in Philadelphia. The company is the leading producer of polypropylene in the United States, with five production plants located in Texas, Pennsylvania and West Virginia, and an Innovation and Technology Center in Pittsburgh.

## ► Braskem Prisma 1910

**Braskem**

**Braskem**

**Prisma®**

# An Unmatched Balance of Transparency and Impact Toughness For Thin Wall Injection Molding Applications

## ► Unparalleled Performance Properties

In TWIM applications Prisma 1910 supplies an exceptional blend of characteristics not typically seen when using single resin solutions

- Stiffness and heat deflection temperature similar to a heterophasic copolymer
- Impact toughness of a heterophasic copolymer
- Clarity and optics similar to random copolymer
- FDA compliant for conditions A-H

## ► Superior Processing Capabilities

Offering the ability to process in high demand applications

- Easy mold filling in high-cavitation tooling
- Blends well with a variety of other resins
- Ability to lightweight

## ► Application Diversity

Prisma 1910 can be used in a wide assortment of end use applications

- Hot fill
- Microwave reheating
- Refrigerator applications such as yogurt and dips
- As a functional blend additive to improve the impact toughness of random copolymers

	ASTM Method	Units	Values
Nominal Melt Flow Rate (230° C / 2.16 kg)	D-1238	g/10 min	50
Haze (20 mil, 0.50 mm injection molded plaque)	D-1003	%	24
Flex Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	D-790A	PSI	175,000
Notched Izod Impact Strength (23° C)	D-256A	ft-lbs/in	1.2
Gardner Impact (GC configuration, 0° C)	D-5420-10	In-lbs.	190

Impact Properties							
50° C	40° C	30° C	20° C	10° C	0° C	-10° C	-20° C
Homopolymer							
Random Copolymer							
Competitive High Clarity Impact							
Braskem Prisma 1910							
Polyolefin Elastomer Blends (non-clear)							
			Ductile		Transition		Brittle

